

DaimlerChrysler AG

Patent claims

1. A body for a motor vehicle, the support structure  
5 (10) of which is assembled from large-size partial  
modules (12, 34, 46, 48), two partial modules (12, 34)  
which are connected to each other in each case  
comprising support sections (16, 38) and wall and/or  
10 floor sections (14, 36) connected thereto, and support  
sections (16) of the one partial module (12) being  
connected to associated support sections (38) of the  
other partial module (34) at abutment points (54, 56),  
characterized in that the support sections (16, 38) of  
15 the two partial modules (12, 34), which support  
sections are assigned in each case to one another, are  
assembled to form a continuous support (15), abutting  
surfaces (54, 56) of the assembled support sections  
(16, 38) running obliquely with respect to the  
direction of extent of the support (15).

20

2. The body as claimed in claim 1, characterized in  
that the one partial module is a basic module (12)  
having lateral longitudinal member sections (16) which  
can be connected to lateral longitudinal member  
25 sections (38) of the front end module (34).

3. The body as claimed in claim 1, characterized in  
that the support sections (16, 38) of the two partial  
modules (12, 34), which support sections are assigned  
30 to one another, each have a planar abutting surface  
(54, 56).

4. The body as claimed in claim 3, characterized in  
that the support sections (16, 38) of the two partial  
35 modules (12, 34) each have a box profile which is  
closed on the end side by the planar abutting surface

(54, 56).

5. The body as claimed in claim 3 or 4, characterized in that the planar abutting surface (54, 56) encloses  
5 an acute angle ( $\alpha$ ) with the respectively assigned box wall of the support section (16, 38).

6. The body as claimed in claim 5, characterized in that a point (58) of the support section (38) is formed  
10 by the planar abutting surface (54, 56) and the respectively assigned box wall, a fastening tab (62) being provided at the front end of the point (58), via which tab the support sections (16, 38) which are assigned to one another are additionally connected.

15

7. The body as claimed in claim 2, characterized in that the lateral longitudinal members (15) bound a body floor (14), a front end region (36) of the body floor (14) belonging to the front end module (34) and  
20 extending rearward over a considerable length region of the basic module (12) between the lateral longitudinal member sections (16).

8. The body as claimed in claim 7, characterized in that that end region (36) of the body floor (14) which belongs to the front end module (34) is connected in an overlapping manner to that region of the body floor (14) which belongs to the basic module (12).

9. The body as claimed in claim 7 or 8, characterized in that upwardly protruding column sections (18) are arranged at the front ends of the lateral longitudinal member sections (16) of the basic module (12), which column sections are to be connected to upwardly  
30 protruding column sections (42) of the lateral longitudinal member sections (38) of the front end module (34).

10. The body as claimed in claim 9, characterized in that the upwardly protruding column sections (18, 42) of the front end module (34) and of the basic module (12) can be connected to form the front wall columns  
5 (20).